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TITLE: HIGH STRENGTH GALVANIZED STEEL SHEET HAVING EXCELLENT APPEARANCE AND WORKABILITY, AND PRODUCTION METHOD THEREFOR

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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a high strength galvanized steel sheet which has suppressed occurrence of unplating, and has excellent appearance and workability, and to provide a production method therefor.

SOLUTION: The high strength galvanized steel sheet having excellent appearance and workability is obtained by providing the surface of a steel sheet containing, by mass, 0.0001 to 0.3% C, 0.001 to <0.1% Si, 0.01 to 3% Mn, 0.001 to 4% Al, 0.001 to 1% Mo, 0.0001 to 0.3% P and 0.0001 to 0.1% S, and the balance Fe with inevitable impurities with a plated layer having a composition containing 0.001 to 3% Mn, 0.001 to 4% Al, 0.0001 to 1% Mo and 5 to 20% Fe, and the balance Zn with inevitable impurities. Provided that the content of Mn in the steel is defined as X (mass%), the content of Si in the steel as Y (mass%), and the content of Si in the plating as Z (mass%), X, Y and Z satisfy the following inequality: $0.6 - (X/18 + Y + Z) \geq 0$ (1).

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